

WHAT IS CLAIMED

1. A method of controlling the operation of a telecommunications routing device, which contains a call routing mechanism that is adapted to route a call therethrough from a calling circuit to a called circuit  
5 in accordance with the number of said called circuit being dialed by way of said called circuit, said method comprising the steps of:

(LAST# dialed  
Speed dial) (a) selectively storing a prescribed destination circuit number in association with a calling circuit

10 which is adapted to originate a call; and

(b) in response to said calling circuit, for which said prescribed destination circuit number has been selectively stored in step (a), having a prescribed signaling state, automatically routing a call therefrom  
15 to said destination circuit without the number of said destination circuit being dialed by said calling circuit.

2. The method according to claim 1, wherein step (b) comprises, in response to said calling circuit having said prescribed signaling state, determining whether a prescribed destination circuit number has been stored  
5 therefor and, in response to said calling circuit having no prescribed destination circuit number stored therefor, routing a call from said calling circuit to a called circuit having a number dialed by said calling circuit.

3. The method according to claim 1, wherein said prescribed signaling state corresponds to said calling circuit going off-hook.

103 4. The method according to claim 1, wherein said telecommunications routing device comprises an integrated access device.

103 5. For use with a digital processor-controlled integrated access device containing controlling a call routing software routine that is adapted to route a call therethrough from a calling circuit to a called circuit 5 in accordance with the number of said called circuit being dialed by way of said calling circuit, a method of providing a communication path between said calling circuit and a prescribed destination circuit without the number of said prescribed destination circuit being 10 dialed by way of said called circuit, said method comprising the steps of:

(a) storing the number of said prescribed destination circuit number in association with (the potential origination) of a call from said calling 15 circuit; and

(b) in response to said calling circuit going off-hook, automatically accessing the number of said prescribed destination circuit as stored in step (a), and using the accessed number to automatically provide a 20 communication path between said calling circuit and

prescribed destination circuit exclusive of any dialing of the number of said destination circuit by said calling circuit.

6. The method according to claim 5, wherein step (b) comprises, in response to said calling circuit going off-hook, initially determining whether the number of any prescribed destination circuit number has been stored therefor and, in response to said calling circuit having no prescribed destination circuit number stored therefor, routing a call from said calling circuit to a called circuit having a number dialed by said calling circuit.

7. A method of controlling the routing of a call through a digital processor-controlled terminal unit comprising the steps of:

(a) providing a call routing routine that is adapted to control the routing of a call through said terminal unit from a calling circuit to a called circuit in accordance with the number of said called circuit, said call routing routine being configured to selectively store the number of a destination circuit number in association with <sup>1413</sup> the potential origination of a call from a calling circuit;

(b) in response to a respective calling circuit going off-hook, causing said call routing routine to determine whether it contains the number of a respective destination circuit number in association with said

respective calling circuit; and

(c) in response to step (b) determining that said call routing routine contains the number of a respective destination circuit number in association with said  
20 respective calling circuit, automatically accessing the number of said respective destination circuit and using the accessed number to automatically provide a communication path between said respective calling circuit and said respective destination circuit exclusive  
25 of any dialing of the number of said respective destination circuit by said respective calling circuit, but otherwise routing a call from said respective calling circuit to a called circuit in accordance with the number thereof as dialed by said respective calling circuit.

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